ISC2

Exam Questions ISSAP

ISSAP Information Systems Security Architecture Professional

NEW QUESTION 1
- (Exam Topic 1)
SSH is a network protocol that allows data to be exchanged between two networks using a secure channel. Which of the following encryption algorithms can be used by the SSH protocol? Each correct answer represents a complete solution. Choose all that apply.

A. Blowfish
B. DES
C. IDEA
D. RC4

Answer: ABC

NEW QUESTION 2
- (Exam Topic 1)
Which of the following protocols multicasts messages and information among all member devices in an IP multicast group?

A. ARP
B. ICMP
C. TCP
D. IGMP

Answer: D

NEW QUESTION 3
- (Exam Topic 1)
Which of the following terms refers to the method that allows or restricts specific types of packets from crossing over the firewall?

A. Hacking
B. Packet filtering
C. Web caching
D. Spoofing

Answer: B

NEW QUESTION 4
- (Exam Topic 1)
Which of the following should the administrator ensure during the test of a disaster recovery plan?

A. Ensure that the plan works properly
B. Ensure that all the servers in the organization are shut down.
C. Ensure that each member of the disaster recovery team is aware of their responsibility.
D. Ensure that all client computers in the organization are shut down.

Answer: AC

NEW QUESTION 5
- (Exam Topic 1)
Which of the following types of firewall functions at the Session layer of OSI model?

A. Circuit-level firewall
B. Application-level firewall
C. Packet filtering firewall
D. Switch-level firewall

Answer: A

NEW QUESTION 6
- (Exam Topic 1)
The IPSec protocol is configured in an organization's network in order to maintain a complete infrastructure for secured network communications. IPSec uses four components for this. Which of the following components reduces the size of data transmitted over congested network connections and increases the speed of such networks without losing data?

A. AH
B. ESP
C. IPcomp
D. IKE

Answer: C

NEW QUESTION 7
- (Exam Topic 1)
Which of the following disaster recovery tests includes the operations that shut down at the primary site, and are shifted to the recovery site according to the disaster recovery plan?

A. Structured walk-through test

B. Simulation test
C. Full-interruption test
D. Parallel test

Answer: C

NEW QUESTION 8
- (Exam Topic 1)
You want to implement a network topology that provides the best balance for regional topologies in terms of the number of virtual circuits, redundancy, and performance while establishing a WAN network. Which of the following network topologies will you use to accomplish the task?

A. Bus topology
B. Fully meshed topology
C. Star topology
D. Partially meshed topology

Answer: D

NEW QUESTION 9
- (Exam Topic 1)
Which of the following statements best describes a certification authority?

A. A certification authority is a technique to authenticate digital documents by using computer cryptography.
B. A certification authority is a type of encryption that uses a public key and a private key pair for data encryption.
C. A certification authority is an entity that issues digital certificates for use by other parties.
D. A certification authority is a type of encryption that uses a single key to encrypt and decrypt data.

Answer: C

NEW QUESTION 10
- (Exam Topic 1)
Which of the following authentication methods prevents unauthorized execution of code on remote systems?

A. TACACS
B. S-RPC
C. RADIUS
D. CHAP

Answer: B

NEW QUESTION 10
- (Exam Topic 1)
Which of the following protocols provides connectionless integrity and data origin authentication of IP packets?

A. ESP
B. AH
C. IKE
D. ISAKMP

Answer: B

NEW QUESTION 13
- (Exam Topic 1)
Computer networks and the Internet are the prime mode of Information transfer today. Which of the following is a technique used for modifying messages, providing Information and Cyber security, and reducing the risk of hacking attacks during communications and message passing over the Internet?

A. Risk analysis
B. Firewall security
C. Cryptography
D. OODA loop

Answer: C

NEW QUESTION 18
- (Exam Topic 1)
You work as an Incident handler in Mariotrixt.Inc. You have followed the Incident handling process to handle the events and incidents. You identify Denial of Service attack (DOS) from a network linked to your internal enterprise network. Which of the following phases of the Incident handling process should you follow next to handle this incident?

A. Containment
B. Preparation
C. Recovery
D. Identification

Answer: A

NEW QUESTION 19
- (Exam Topic 1)
Which of the following types of attacks is often performed by looking surreptitiously at the keyboard or monitor of an employee's computer?

A. Buffer-overflow attack
B. Man-in-the-middle attack
C. Shoulder surfing attack
D. Denial-of-Service (DoS) attack

Answer: C

NEW QUESTION 22
- (Exam Topic 1)
The network you administer allows owners of objects to manage the access to those objects via access control lists. This is an example of what type of access control?

A. RBAC
B. MAC
C. CIA
D. DAC

Answer: D

NEW QUESTION 26
- (Exam Topic 1)
In which of the following network topologies does the data travel around a loop in a single direction and pass through each device?

A. Ring topology
B. Tree topology
C. Star topology
D. Mesh topology

Answer: A

NEW QUESTION 29
- (Exam Topic 1)
Which of the following cryptographic system services ensures that information will not be disclosed to any unauthorized person on a local network?

A. Authentication
B. Non-repudiation
C. Integrity
D. Confidentiality

Answer: D

NEW QUESTION 34
- (Exam Topic 1)
Sam is creating an e-commerce site. He wants a simple security solution that does not require each customer to have an individual key. Which of the following encryption methods will he use?

A. Asymmetric encryption
B. Symmetric encryption
C. S/MIME
D. PGP

Answer: B

NEW QUESTION 38
- (Exam Topic 1)
Which of the following terms refers to a mechanism which proves that the sender really sent a particular message?

A. Integrity
B. Confidentiality
C. Authentication
D. Non-repudiation

Answer: D

NEW QUESTION 40
- (Exam Topic 1)
Which of the following protocols uses public-key cryptography to authenticate the remote computer?

A. SSH
B. Telnet
C. SCP
D. SSL

Answer: A

NEW QUESTION 44
- (Exam Topic 1)
An authentication method uses smart cards as well as usernames and passwords for authentication. Which of the following authentication methods is being referred to?

A. Mutual
B. Anonymous
C. Multi-factor
D. Biometrics

Answer: C

NEW QUESTION 47
- (Exam Topic 1)
Mark has been hired by a company to work as a Network Assistant. He is assigned the task to configure a dial-up connection. He is configuring a laptop. Which of the following protocols should he disable to ensure that the password is encrypted during remote access?

A. SPAP
B. MSCHAP
C. PAP
D. MSCHAP V2

Answer: C

NEW QUESTION 50
- (Exam Topic 1)
In which of the following alternative processing sites is the backup facility maintained in a constant order, with a full complement of servers, workstations, and communication links ready to assume the primary operations responsibility?

A. Hot Site
B. Mobile Site
C. Warm Site
D. Cold Site

Answer: A

NEW QUESTION 54
- (Exam Topic 1)
Which of the following does PEAP use to authenticate the user inside an encrypted tunnel? Each correct answer represents a complete solution. Choose two.

A. GTC
B. MS-CHAP v2
C. AES
D. RC4

Answer: AB

NEW QUESTION 59
- (Exam Topic 2)
Which of the following methods offers a number of modeling practices and disciplines that contribute to a successful service-oriented life cycle management and modeling?

A. Service-oriented modeling framework (SOMF)
B. Service-oriented modeling and architecture (SOMA)
C. Sherwood Applied Business Security Architecture (SABSA)
D. Service-oriented architecture (SOA)

Answer: A

NEW QUESTION 60
- (Exam Topic 2)
Which of the following authentication methods provides credentials that are only valid during a single session?

A. Kerberos v5
B. Smart card
C. Certificate
D. Token

Answer: D

NEW QUESTION 62
- (Exam Topic 2)
Which of the following user authentications are supported by the SSH-1 protocol but not by the SSH-2 protocol? Each correct answer represents a complete

solution. Choose all that apply.

A. TIS authentication
B. Rhosts (rsh-style) authentication
C. Kerberos authentication
D. Password-based authentication

Answer: ABC

NEW QUESTION 65
- (Exam Topic 2)
Which of the following types of ciphers operates on a group of bits rather than an individual character or bit of a message?

A. Block cipher
B. Classical cipher
C. Substitution cipher
D. Stream cipher

Answer: A

NEW QUESTION 67
- (Exam Topic 2)
Which of the following is an infrastructure system that allows the secure exchange of data over an unsecured network?

A. PMK
B. PTK
C. PKI
D. GTK

Answer: C

NEW QUESTION 71
- (Exam Topic 2)
The service-oriented modeling framework (SOMF) introduces five major life cycle modeling activities that drive a service evolution during design-time and run-time. Which of the following activities integrates SOA software assets and establishes SOA logical environment dependencies?

A. Service-oriented business integration modeling
B. Service-oriented logical design modeling
C. Service-oriented discovery and analysis modeling
D. Service-oriented logical architecture modeling

Answer: D

NEW QUESTION 74
- (Exam Topic 2)
The Public Key Infrastructure (PKI) is a set of hardware, software, people, policies, and procedures needed to create, manage, distribute, use, store, and revoke digital certificates. Which of the following components does the PKI use to list those certificates that have been revoked or are no longer valid?

A. Certification Practice Statement
B. Certificate Policy
C. Certificate Revocation List
D. Certification Authority

Answer: C

NEW QUESTION 75
- (Exam Topic 2)
Perfect World Inc., provides its sales managers access to the company's network from remote locations. The sales managers use laptops to connect to the network. For security purposes, the company's management wants the sales managers to log on to the network using smart cards over a remote connection. Which of the following authentication protocols should be used to accomplish this?

A. Challenge Handshake Authentication Protocol (CHAP)
B. Microsoft Challenge Handshake Authentication Protocol (MS-CHAP)
C. Open Shortest Path First (OSPF)
D. Extensible Authentication Protocol (EAP)

Answer: D

NEW QUESTION 76
- (Exam Topic 2)
Which of the following are examples of physical controls used to prevent unauthorized access to sensitive materials?

A. Thermal alarm systems
B. Security Guards
C. Closed circuit cameras
D. Encryption

Answer: ABC

NEW QUESTION 81
- (Exam Topic 2)
Which of the following algorithms can be used to check the integrity of a file? 158
Each correct answer represents a complete solution. Choose two.

A. md5
B. rsa
C. blowfish
D. sha

Answer: AD

NEW QUESTION 83
- (Exam Topic 2)
Which of the following encryption methods comes under symmetric encryption algorithm? Each correct answer represents a complete solution. Choose three.

A. DES
B. Blowfish
C. RC5
D. Diffie-Hellman

Answer: ABC

NEW QUESTION 87
- (Exam Topic 2)
Which of the following describes the acceptable amount of data loss measured in time?

A. Recovery Consistency Objective (RCO)
B. Recovery Time Objective (RTO)
C. Recovery Point Objective (RPO)
D. Recovery Time Actual (RTA)

Answer: C

NEW QUESTION 89
- (Exam Topic 2)
At which of the following layers of the Open System Interconnection (OSI) model the Internet Control Message Protocol (ICMP) and the Internet Group Management Protocol (IGMP) work?

A. The Physical layer
B. The Data-Link layer
C. The Network layer
D. The Presentation layer

Answer: C

NEW QUESTION 92
- (Exam Topic 2)
John works as an Ethical Hacker for company Inc. He wants to find out the ports that are open in company's server using a port scanner. However, he does not want to establish a full TCP connection. Which of the following scanning techniques will he use to accomplish this task?

A. TCP FIN
B. Xmas tree
C. TCP SYN/ACK
D. TCP SYN

Answer: D

NEW QUESTION 93
- (Exam Topic 2)
Which of the following are natural environmental threats that an organization faces? Each correct answer represents a complete solution. Choose two.

A. Strikes
B. Floods
C. Accidents
D. Storms

Answer: BD

NEW QUESTION 96
- (Exam Topic 2)
You work as a remote support technician. A user named Rick calls you for support. Rick wants to connect his LAN connection to the Internet. Which of the following devices will you suggest that he use?

A. Hub
B. Repeater
C. Bridge
D. Switch
E. Router

Answer: E

NEW QUESTION 99
- (Exam Topic 2)
Which of the following processes is used by remote users to make a secure connection to internal resources after establishing an Internet connection?

A. Spoofing
B. Packet sniffing
C. Tunneling
D. Packet filtering

Answer: C

NEW QUESTION 101
- (Exam Topic 2)
In which of the following cryptographic attacking techniques does the attacker pick up the information to be encrypted and take a copy of it with the encrypted data?

A. Chosen ciphertext attack
B. Known plaintext attack
C. Chosen plaintext attack
D. Ciphertext only attack

Answer: C

NEW QUESTION 105
- (Exam Topic 2)
Which of the following are used to suppress paper or wood fires? Each correct answer represents a complete solution. Choose two.

A. Soda acid
B. Kerosene
C. Water
D. CO2

Answer: AC

NEW QUESTION 110
- (Exam Topic 2)
Which of the following are types of access control attacks? Each correct answer represents a complete solution. Choose all that apply.

A. Dictionary attack
B. Mail bombing
C. Spoofing
D. Brute force attack

Answer: BCD

NEW QUESTION 112
- (Exam Topic 2)
Which of the following statements about Network Address Translation (NAT) are true? Each correct answer represents a complete solution. Choose three.

A. It hides the internal IP addressing scheme.
B. It protects network from the password guessing attacks.
C. It is used to connect private networks to the public Internet.
D. It shares public Internet addresses with a large number of internal network clients.

Answer: ACD

NEW QUESTION 115
- (Exam Topic 2)
You work as a Network Administrator for McRoberts Inc. You are expanding your company's network. After you have implemented the network, you test the connectivity to a remote host by using the PING command. You get the ICMP echo reply message from the remote host. Which of the following layers of the OSI model are tested through this process? Each correct answer represents a complete solution. Choose all that apply.

A. Layer 3
B. Layer 2
C. Layer 4
D. Layer 1

Answer: ABD

NEW QUESTION 120
- (Exam Topic 2)
Access control systems enable an authority to control access to areas and resources in a given physical facility or computer-based information system. Which of the following services provided by access control systems is used to determine what a subject can do?

A. Authentication
B. Authorization
C. Accountability
D. Identification

Answer: B

NEW QUESTION 122
- (Exam Topic 2)
Adam works as a Network Administrator. He discovers that the wireless AP transmits 128 bytes of plaintext, and the station responds by encrypting the plaintext. It then transmits the resulting ciphertext using the same key and cipher that are used by WEP to encrypt subsequent network traffic. Which of the following types of authentication mechanism is used here?

A. Pre-shared key authentication
B. Open system authentication
C. Shared key authentication
D. Single key authentication

Answer: C

NEW QUESTION 125
- (Exam Topic 2)
Which of the following is a correct sequence of different layers of Open System Interconnection (OSI) model?

A. Physical layer, data link layer, network layer, transport layer, presentation layer, session layer, and application layer
B. Physical layer, network layer, transport layer, data link layer, session layer, presentation layer, and application layer
C. application layer, presentation layer, network layer, transport layer, session layer, data link layer, and physical layer
D. Physical layer, data link layer, network layer, transport layer, session layer, presentation layer, and application layer

Answer: D

NEW QUESTION 129
- (Exam Topic 2)
Which of the following is a network service that stores and organizes information about a network users and network resources and that allows administrators to manage users' access to the resources?

A. SMTP service
B. Terminal service
C. Directory service
D. DFS service

Answer: C

NEW QUESTION 134
- (Exam Topic 2)
Which of the following is responsible for maintaining certificates in a public key infrastructure (PKI)?

A. Domain Controller
B. Certificate User
C. Certification Authority
D. Internet Authentication Server

Answer: C

NEW QUESTION 139
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